**Homework 87 Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Surface Area of Prisms & Cylinders Period:\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Failure to show all work and write in complete sentences will result in a LaSalle!**

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| 1) Use the diagram at the below.     1. Give the mathematical name of the solid. 2. What kind of figure is each base? 3. Name the radius of the solid. 4. Name the height of the solid. | 2) Name the solid that can be formed by the net.  a. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  b. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 3) Find the surface area of the solid formed by the net. Round your answer to two decimal places. | 4) Find the surface area of the solid formed by the net. Round your answer to two decimal places. |
| 5) Find the surface area of the right prism. Round your answer to two decimal places. | 6) Find the surface area of the right prism. Round your answer to two decimal places. |
| 7) Find the surface area of the right cylinder. Round your answer to two decimal places. | 8) Find the surface area of the right cylinder. Round your answer to two decimal places. |
| 9) Solve for *x* given the surface area *S* of the right prism or right cylinder. Round your answer to two decimal places. ***S = 142 ft2*** | 10) Solve for *x* given the surface area *S* of the right prism or right cylinder. Round your answer to two decimal places. ***S = 326.73 cm2*** |
| 11) Find the surface area of the solid. Round your answer to two decimal places. | 12) Find the surface area of the solid. Round your answer to two decimal places. |
| 13) Find the surface area of the solid. Round your answer to two decimal places. | 14) Find the surface area of the solid. Round your answer to two decimal places. |